

# Hosting a Full Stack Application


Frontend link:


<http://mina-udagram.s3-website-us-east-1.amazonaws.com>

Backend link:


<http://udagram-api-dev.eba-uyxqbpma.us-east-1.elasticbeanstalk.com/>

## Elastic beanstalk:

**udagram-api-dev**  
[udagram-api-dev.eba-uyxqbpma.us-east-1.elasticbeanstalk.com](http://udagram-api-dev.eba-uyxqbpma.us-east-1.elasticbeanstalk.com)  (e-7m9yw6namx)  
Application name: **udagram-api**

 Refresh


Actions ▼

**Health**  
  
Ok  

Causes

**Running version**  
app-230115\_193424019394  

Upload and deploy

**Platform**  
  
Node.js 14 running on 64bit  
Amazon Linux 2/5.6.3  

Change

**Recent events**

Show all

< 1 >

Time	Type	Details
2023-01-16 10:40:00 UTC+0400	INFO	Environment health has transitioned from Warning to Ok.

## RDS



**Consider creating a Blue/Green Deployment to minimize downtime during upgrades**  
You may want to consider using Amazon RDS Blue/Green Deployments and minimize your downtime during upgrades. A Blue/Green Deployment provides a staging environment for changes to production databases. [RDS User Guide](#) [Aurora User Guide](#)



Databases



Group resources



Modify

Actions

Restore from S3

Create database

Filter by databases



1



DB identifier



Role

Engine

Region & AZ

Size

Status

CPU



postgres

Instance

PostgreSQL

us-east-1d

db.t3.micro

Available



postgres

Modify

Actions

Summary

DB identifier  
postgres

CPU  
5.21%

Status  
Available

Class  
db.t3.micro

Role  
Instance

Current activity  
0.00 sessions

Engine  
PostgreSQL

Region & AZ  
us-east-1d

Connectivity & security

Monitoring

Logs & events

Configuration

Maintenance & backups

Tags

Connectivity & security

Endpoint & port

Endpoint  
postgres.cqbgmj1jg55q.us-east-1.rds.amazonaws.com

Port  
5432

Networking

Availability Zone  
us-east-1d

VPC  
vpc-0ee455c3d195e41f7

Subnet group  
default-vpc-0ee455c3d195e41f7

Subnets

Security

VPC security groups  
default (sg-03a93d50684828869)  
Active

Publicly accessible  
Yes

Certificate authority  
rds-ca-2019

Standard

Connect URL

Heroku

```
postgres://postgres:Mru63HgtDLEacbg@postgres  
.cqbgnj1jg55q.us-east-  
1.rds.amazonaws.com:5432/postgres
```

☐ Connect on start

Test Connection

Save & Connect

Connect

[Get Postgres](#)

- RDS - Database Host: [postgres.cqbgnj1jg55q.us-east-1.rds.amazonaws.com](https://postgres.cqbgnj1jg55q.us-east-1.rds.amazonaws.com)
- RDS - Database Port: 5432
- RDS - Database Name: postgres

## S3 Bucket

Buckets (2)

Info

Buckets are containers for data stored in S3. [Learn more](#)

Copy ARN

Empty

Delete

Create bucket

Find buckets by name

< 1 >

	Name▲	AWS Region▼	Access▼	Creation date▼
<input type="radio"/>	<a href="#">elasticbeanstalk-us-east-1-222951811272</a>	US East (N. Virginia) us-east-1	Objects can be public	January 3, 2023, 18:12:10 (UTC+04:00)
<input type="radio"/>	<a href="#">mina-udagram</a>	US East (N. Virginia) us-east-1	<div>Public</div>	January 2, 2023, 17:07:16 (UTC+04:00)

mina-udagram

Info

Publicly accessible

Objects

Properties

Permissions

Metrics

Management

Access Points

Objects (373)

Objects are the fundamental entities stored in Amazon S3. You can use [Amazon S3 inventory](#) to get a list of all objects in your bucket. For others to access your objects, you'll need to explicitly grant them permissions. [Learn more](#)

Copy S3 URI

Copy URL

Download

Open

Delete

Actions

Create folder

Upload

Find objects by prefix

< 1 2 >

<input type="checkbox"/>	Name▲	Type▼	Last modified▼	Size▼	Storage class▼
<input type="checkbox"/>	<div><div></div><div><a href="#">0.js</a></div></div>	js	January 5, 2023, 13:50:24 (UTC+04:00)	16.4 KB	Standard
<input type="checkbox"/>	<div><div></div><div><a href="#">0.js.map</a></div></div>	map	January 5, 2023, 13:50:24 (UTC+04:00)	14.0 KB	Standard
<input type="checkbox"/>	<div><div></div><div><a href="#">1.js</a></div></div>	js	January 5, 2023, 13:50:24 (UTC+04:00)	17.3 KB	Standard
<input type="checkbox"/>	<div><div></div><div><a href="#">1.js.map</a></div></div>	map	January 5, 2023, 13:50:24 (UTC+04:00)	14.2 KB	Standard
<input type="checkbox"/>	<div><div></div><div><a href="#">10.js</a></div></div>	js	January 5, 2023, 13:50:24 (UTC+04:00)	32.5 KB	Standard
<input type="checkbox"/>	<div><div></div><div><a href="#">10.js.map</a></div></div>	map	January 5, 2023, 13:50:24 (UTC+04:00)	32.6 KB	Standard
<input type="checkbox"/>	<div><div></div><div><a href="#">100.js</a></div></div>	js	January 5, 2023, 13:50:24 (UTC+04:00)	6.4 KB	Standard
<input type="checkbox"/>	<div><div></div><div><a href="#">100.js.map</a></div></div>	map	January 5, 2023, 13:50:24 (UTC+04:00)	5.1 KB	Standard

Bucket overview

AWS Region	Amazon Resource Name (ARN)	Creation date
US East (N. Virginia) us-east-1	<div><div></div>arn:aws:s3:::mina-udagram</div>	January 2, 2023, 17:07:16 (UTC+04:00)

Static website hosting

Use this bucket to host a website or redirect requests. [Learn more](#)

Edit

Static website hosting

Enabled

Hosting type

Bucket hosting

Bucket website endpoint

When you configure your bucket as a static website, the website is available at the AWS Region-specific website endpoint of the bucket. [Learn more](#)

<http://mina-udagram.s3-website-us-east-1.amazonaws.com>

Triggers

Advanced

**Environment Variables**

SSH Keys

API Permissions

Jira Integration

Slack Integration

Insights Snapshot Badge

Status Badges

Webhooks

Environment variables let you add sensitive data (e.g. API keys) to your jobs rather than placing them in the repository. The value of the variables cannot be read or edited in the app once they are set.

If you're looking to share environment variables across projects, try [Contexts](#).

Name	Value	<a href="#">Add Environment Variable</a>	<a href="#">Import Variables</a>
AWS_ACCESS_KEY_ID	xxxxE6HQ		✕
AWS_BUCKET	xxxxgram		✕
AWS_DEFAULT_REGION	xxxxst-1		✕
AWS_SECRET_ACCESS_KEY	xxxxY3gn		✕

Dashboard

Project

Branch

Workflow

All Pipelines > FWD-full-stack-app > main > **udagram**

**udagram** Success

Duration / Finished

🕒 9m 2s / 12h ago

Branch

🔑 main

Commit

🔑 ac5d860

Author & Message

👤 env.prod.ts

✓ build

1m 22s

✓ hold

👤 Approved

✓ deploy

3m 46s

AWS_ACCESS_KEY_ID	xxxxE6HQ	×
AWS_BUCKET	xxxxgram	×
AWS_DEFAULT_REGION	xxxxst-1	×
AWS_SECRET_ACCESS_KEY	xxxxY3gn	×
DB_PORT	xxxx32	×
JWT_SECRET	xxxxside	×
PORT	xxxx80	×
POSTGRES_DB	xxxxgres	×
POSTGRES_HOST	xxxx.com	×
POSTGRES_PASSWORD	xxxxacbg	×
POSTGRES_USERNAME	xxxxgres	×
RDS_DIALECT	xxxxgres	×
URL	xxxx.com	×

<div> <div>▶</div> <div> <div>✔</div> <div>Spin up environment</div> </div> </div>	1s	<div> <div>↗</div> <div>↓</div> </div>
<div> <div>▶</div> <div> <div>✔</div> <div>Preparing environment variables</div> </div> </div>	0s	<div> <div>↗</div> <div>↓</div> </div>
<div> <div>▶</div> <div> <div>✔</div> <div>Install Node.js 14.15</div> </div> </div>	3s	<div> <div>↗</div> <div>↓</div> </div>
<div> <div>▶</div> <div> <div>✔</div> <div>Setting Up Elastic Beanstalk CLI</div> </div> </div>	33s	<div> <div>↗</div> <div>↓</div> </div>
<div> <div>▶</div> <div> <div>✔</div> <div>Install AWS CLI - latest</div> </div> </div>	3s	<div> <div>↗</div> <div>↓</div> </div>
<div> <div>▶</div> <div> <div>✔</div> <div>Configure AWS Access Key ID</div> </div> </div>	2s	<div> <div>↗</div> <div>↓</div> </div>
<div> <div>▶</div> <div> <div>✔</div> <div>Checkout code</div> </div> </div>	1s	<div> <div>↗</div> <div>↓</div> </div>
<div> <div>▶</div> <div> <div>✔</div> <div>Deploy App</div> </div> </div>	2m 47s	<div> <div>↗</div> <div>↓</div> </div>

Overall Architecture:



Postgress on AWS RDS

Store Data ←



Udagram-API on AWS Elastic Beanstalk

← Fetches Data



Angular on AWS S3 Bucket

← Request Data



End User

**AWS Cloud**

